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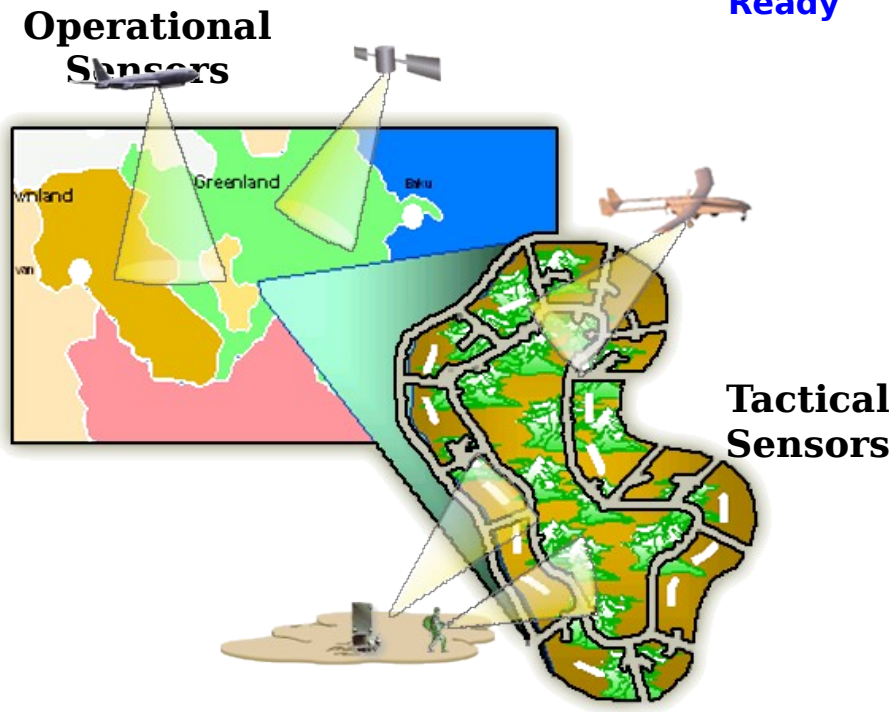
MILITARY NEEDS

"Our Army at War -- Relevant and Ready"

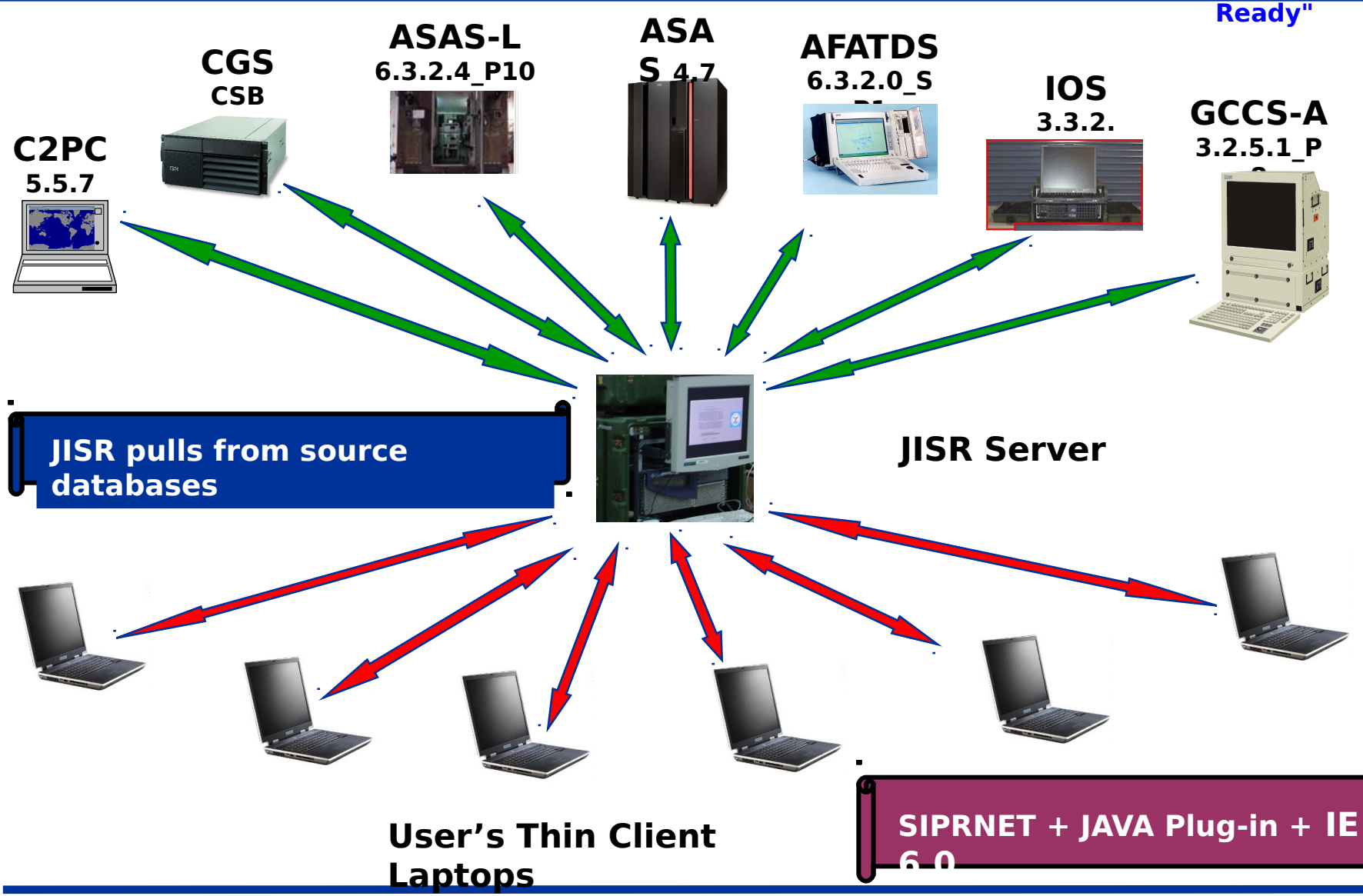
- **Operational and Tactical Levels do not Share a Timely Common Picture.**
- **Sensor Integration and Synchronization are Manpower Intensive, Too Slow, and Difficult to Exploit.**
- **ISR Visualization is not Adequate.**



TO: CSA, CJCS

"JISR addresses several of my concerns regarding systems interoperability and compatibility between the services …. The integration of multi-service, multi-echelon ISR & operational data combined with JISR's enhanced visuals will provide value-added capability to our deployed forces. JISR will… enable us to disseminate and share vital intelligence down to the real warfighters in the central

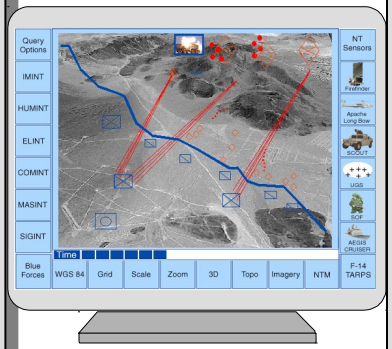
JISR Architecture



WHY JISR?

JISR Leverages:

- GCCS/GCCS-A/GCCS-M
- IOS
- ASAS-RWS
- ASAS-Lite
- CGS
- C2PC
- AFATDS App Server



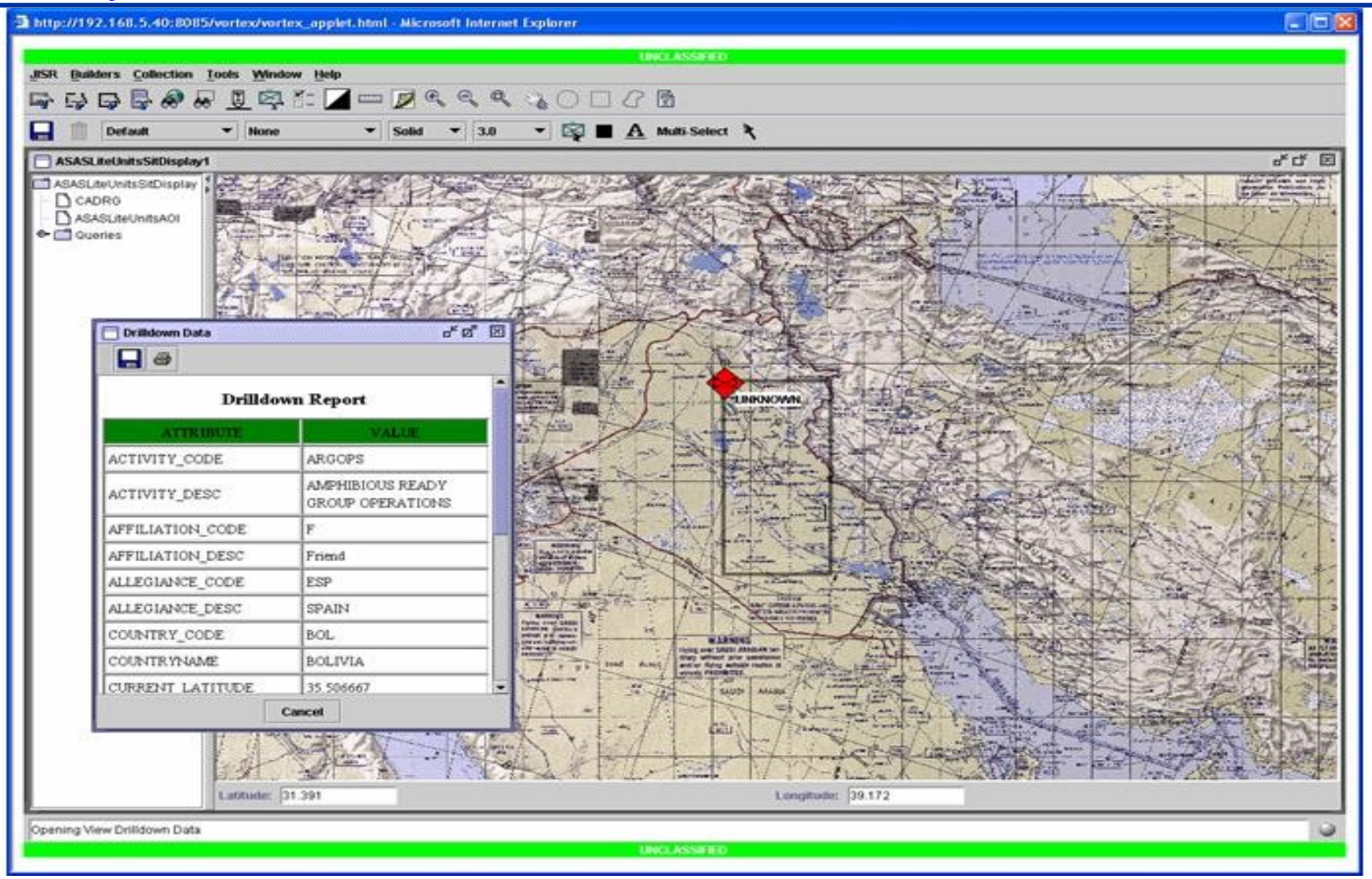
JISR Provides Unique:

- One-Stop Access Sources
- Network Accessible Data and Information Products
- Ability to Display and Disseminate Critical ISR Information, Regardless of HW Platform to:
  - Current Ops and Plans
  - Low Density Users
  - Disadvantaged Users
  - Early Entry Forces over Constrained Pipes

Today's ISR Systems Interoperate Within Their Levels, but Not Between Each Level - Degrading ISR Capabilities in Multi-Echelon Operations for Early Entry Force Missions. JISR Will Work the Seams Between the Levels for Increased Interoperability and Greater ISR Visibility.

JISR Situational Display

"Our Army at War -- Relevant and



JISR'S OPERATIONAL RELEVANCE (SITUATIONAL AWARENESS)

With JISR

- End user can **query and filter** situation display(s) based on multiple **concurrent** sources
  - ✓ **Leverages inputs** from available systems beyond COP/UDOP feed (e.g. AFATDS, ASAS, GCCS-A, CGS) COP/UDOP plus customized sources allows users to simultaneously maintain COP/UDOP and perform MOS duties
  - ✓ **Drill Down Capability** on Tracks

- **Web based** deployment guarantees consistency across battlefield to situation display(s)

JISR IS….

- A software application that provides THIN-CLIENT browser access on any C4I workstation to critical ISR information
  - ✓ Across battlefield functional areas
  - ✓ Up and down echelons
- User-defined "publish" and "subscribe" to live info feeds
  - ✓ Live COP/UDOP pulls for broader, faster, situational awareness
  - ✓ Alarms giving users immediate notification
  - ✓ Standing queries against designated source systems
- Responds rapidly to a rigorous user requirements process [ASAS Lite feeds for JTF 7

JISR'S SIMPLE DESIGN

- JISR is a Java based client server system that operates on UNIX or Intel based platforms
- The User (client) only needs two things
  - Connection to the SIPRNET
  - A Browser [IE 6.0 with Java plug-ins enabled] Thin-Client
- The JISR server has read-only permissions for the source systems data tables. It "listens" for changes to the data tables and uses bandwidth only for the changes
- It does NOT write to any system of record or change any data
- Once the server gets the data it is entered into the JISR database
- Users (clients) only get their data from the JISR server not the original system

JISR IS NOT….

- An Intelligence Information Correlator or Fusion System
- Another Hardware Platform That Adds Any Increased Footprint [Power/space/operator] to Command Posts
- A Replacement for Army, Joint, or Service Equivalents
- A Stand-Alone System

OPERATION IRAQI FREEDOM

- 11 Dec 02 COL Boltz, V Corps G2, Strongly Requested JISR Provide Support to V Corps HQ for Upcoming "Operation Iraqi Freedom"
  - "You Give Something I Don't Have That I Need. You, JISR, Can Show Me the Red and Blue and I Am Taking You Forward With me."
- Army G3 Followed up With a Letter Directing JISR Support for V Corps
- TM JISR Minimized Financial Impact by Using Existing Equipment and Personnel to Maximum Extent
- Direction to Focus All of Raytheon JISR Team on V Corps, Support to War
- Period of OIF Support Was Extended to End of FY03
- The JISR Server Was Able to
  - Retrieve and Display All Red Information Available in the RWS BLK II
  - Provide Tailorable Situational Awareness to the Disadvantaged User

JISR TRANSITION

- **JISR –C2PC Transition**

- **The JISR - ASAS Transition**
- **The JISR - CHIMS**
- **The JISR - DCGS-A**